

FIG. 1

The flowchart illustrates the process flow of the document management system 2. It begins with a 'DOCUMENT' input, which flows into the 'SCAN PROCESS SECTION' (10). From there, the process continues to the 'SCAN PARAMETER RECOGNITION SECTION' (12). This section interacts with the 'SCAN PARAMETER SECTION' (9) and the 'DIVISION/COUPLING SET PROCESS SECTION' (14). The 'SCAN PARAMETER RECOGNITION SECTION' (12) also flows into the 'DIVISION/COUPLING PROCESS SECTION' (13). The 'DIVISION/COUPLING PROCESS SECTION' (13) interacts with the 'DIVISION/COUPLING INQUIRE PROCESS SECTION' (15) and the 'DIVISION/COUPLING SET INFORMATION DB' (7). The 'DIVISION/COUPLING INQUIRE PROCESS SECTION' (15) interacts with the 'I/O SECTION' (6). The 'I/O SECTION' (6) flows into the 'DIVISION/COUPLING INQUIRE PROCESS SECTION' (15). The 'DIVISION/COUPLING INQUIRE PROCESS SECTION' (15) flows into the 'REGISTER PROCESS SECTION' (4). The 'REGISTER PROCESS SECTION' (4) flows into the 'TO DOCUMENT MANAGEMENT SYSTEM 2' output. The 'DIVISION/COUPLING PROCESS SECTION' (13) also flows into the 'REGISTER PROCESS SECTION' (4). The 'DIVISION/COUPLING PROCESS SECTION' (13) interacts with the 'DIVISION/COUPLING BUFFER' (8) and the 'SCAN DATA' (11). The 'DIVISION/COUPLING BUFFER' (8) flows into the 'REGISTER PROCESS SECTION' (4). The 'SCAN DATA' (11) flows into the 'DIVISION/COUPLING PROCESS SECTION' (13). The 'DIVISION/COUPLING SET PROCESS SECTION' (14) flows into the 'DIVISION/COUPLING SET INFORMATION DB' (7). The 'DIVISION/COUPLING SET INFORMATION DB' (7) flows into the 'DIVISION/COUPLING PROCESS SECTION' (13). The 'DIVISION/COUPLING INQUIRE PROCESS SECTION' (15) flows into the 'DIVISION/COUPLING PROCESS SECTION' (13). The 'I/O SECTION' (6) flows into the 'DIVISION/COUPLING INQUIRE PROCESS SECTION' (15). The 'DIVISION/COUPLING INQUIRE PROCESS SECTION' (15) flows into the 'REGISTER PROCESS SECTION' (4). The 'REGISTER PROCESS SECTION' (4) flows into the 'TO DOCUMENT MANAGEMENT SYSTEM 2' output. The 'DIVISION/COUPLING PROCESS SECTION' (13) flows into the 'REGISTER PROCESS SECTION' (4). The 'DIVISION/COUPLING PROCESS SECTION' (13) interacts with the 'DIVISION/COUPLING BUFFER' (8) and the 'SCAN DATA' (11). The 'DIVISION/COUPLING BUFFER' (8) flows into the 'REGISTER PROCESS SECTION' (4). The 'SCAN DATA' (11) flows into the 'DIVISION/COUPLING PROCESS SECTION' (13). The 'DIVISION/COUPLING SET PROCESS SECTION' (14) flows into the 'DIVISION/COUPLING SET INFORMATION DB' (7). The 'DIVISION/COUPLING SET INFORMATION DB' (7) flows into the 'DIVISION/COUPLING PROCESS SECTION' (13). The 'DIVISION/COUPLING INQUIRE PROCESS SECTION' (15) flows into the 'DIVISION/COUPLING PROCESS SECTION' (13). The 'I/O SECTION' (6) flows into the 'DIVISION/COUPLING INQUIRE PROCESS SECTION' (15). The 'DIVISION/COUPLING INQUIRE PROCESS SECTION' (15) flows into the 'REGISTER PROCESS SECTION' (4). The 'REGISTER PROCESS SECTION' (4) flows into the 'TO DOCUMENT MANAGEMENT SYSTEM 2' output.

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graph TD
    DOCUMENT[DOCUMENT] --> SCAN_PROCESS[SCAN PROCESS SECTION 10]
    SCAN_PROCESS --> SCAN_PARAM[SCAN PARAMETER RECOGNITION SECTION 12]
    SCAN_PARAM --> SCAN_PARAM_SECTION[(SCAN PARAMETER SECTION 9)]
    SCAN_PARAM --> DIV_COUP_SET[DIVISION/COUPLING SET PROCESS SECTION 14]
    DIV_COUP_SET --> DIV_COUP_SET_DB[(DIVISION/COUPLING SET INFORMATION DB 7)]
    DIV_COUP_SET_DB --> DIV_COUP_PROCESS[DIVISION/COUPLING PROCESS SECTION 13]
    SCAN_PARAM --> DIV_COUP_PROCESS
    DIV_COUP_PROCESS --> DIV_COUP_INQUIRE[DIVISION/COUPLING INQUIRE PROCESS SECTION 15]
    DIV_COUP_INQUIRE --> IO_SECTION[I/O SECTION 6]
    IO_SECTION --> DIV_COUP_INQUIRE
    DIV_COUP_INQUIRE --> DIV_COUP_PROCESS
    DIV_COUP_PROCESS --> REGISTER[REGISTER PROCESS SECTION 4]
    REGISTER --> TO_DMS[TO DOCUMENT MANAGEMENT SYSTEM 2]
    DIV_COUP_PROCESS --> DIV_COUP_BUFFER[(DIVISION/COUPLING BUFFER 8)]
    DIV_COUP_BUFFER --> REGISTER
    DIV_COUP_PROCESS --> SCAN_DATA[(SCAN DATA 11)]
    SCAN_DATA --> DIV_COUP_PROCESS
    DIV_COUP_PROCESS --> SCAN_PROCESS
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Legend:
-----> FLOW OF DATA
-----> FLOW OF PROCESS

FIG. 2

ITEM	VALUE
RESOLUTION	600dpi
SCAN TYPE	ADF DOUBLE SIDE
SHEET SIZE	A4
SCAN SIZE	PHOTO
DIRECTION OF DOCUMENT	LANDSCAPE

FIG. 3

ITEM	VALUE 1	VALUE 2
16 DOCUMENT PROCESS	DIVIDE	
17 DOCUMENT PROCESS UNIT	1 DOCUMENT FOR 4 PAGES	
18 EXCESS DOCUMENT PROCESS	REGISTER AS ONE DOCUMENT	
19 REGISTER PROCESS	DIVISION-REGISTER	
16 { REGISTRATION DESTINATION 1:CONDITION	DOCUMENT MANAGEMENT SYSTEM A	SHEET SIZE:A4
REGISTRATION DESTINATION 2:CONDITION	DOCUMENT MANAGEMENT SYSTEM B	SHEET SIZE:B4
REGISTRATION DESTINATION 3:CONDITION	DOCUMENT MANAGEMENT SYSTEM C	SHEET SIZE:OTHER THAN A4 & B5

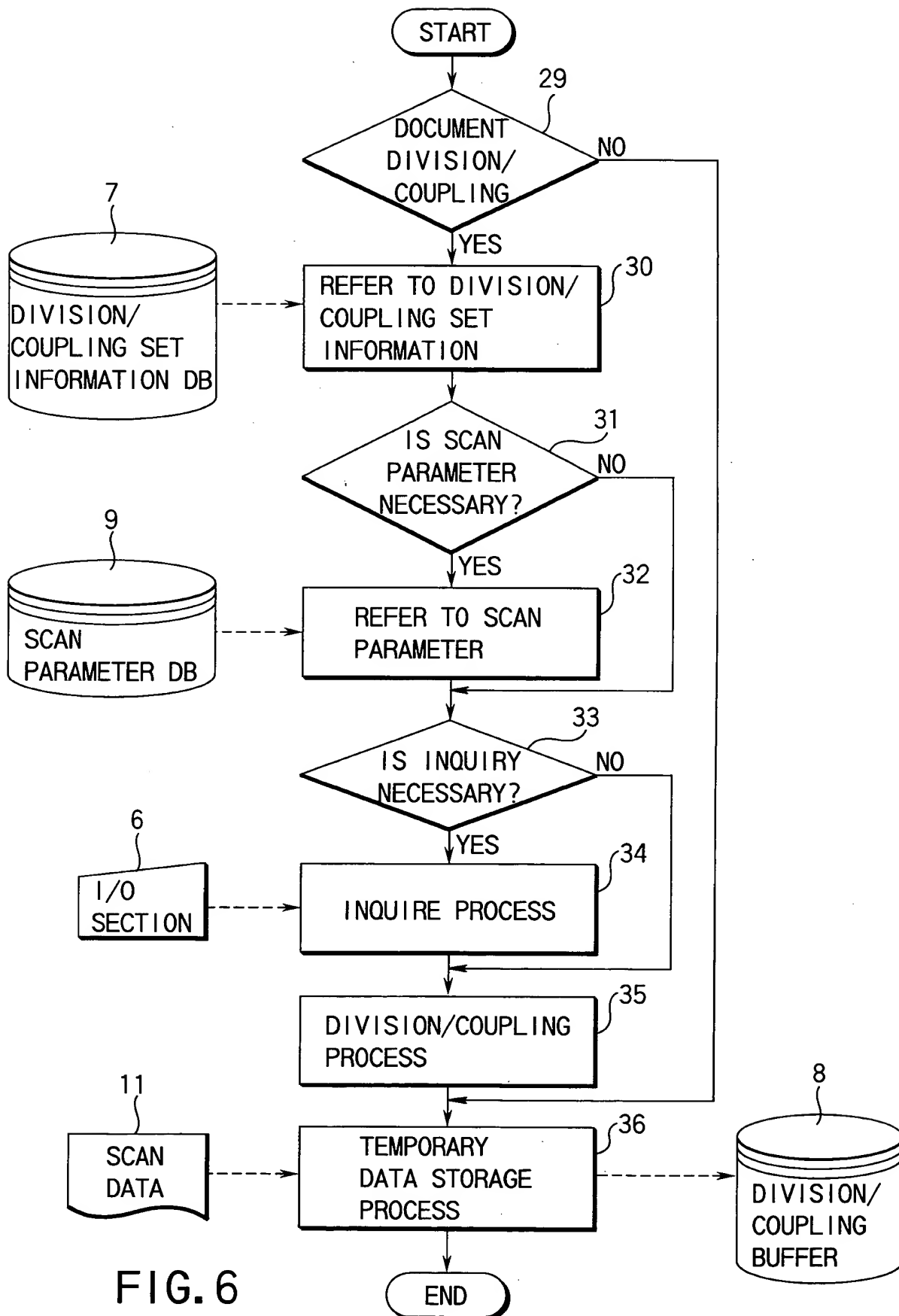
FIG. 4

SCAN ID	DOCUMENT ID	STATE	REGISTRATION DESTINATION
1	1	WAIT FOR REGISTRATION	DOCUMENT MANAGEMENT SYSTEM A
1	2	WAIT FOR REGISTRATION	DOCUMENT MANAGEMENT SYSTEM A
2	3	WAIT FOR REGISTRATION	DOCUMENT MANAGEMENT SYSTEM A
2	4	WAIT FOR REGISTRATION	DOCUMENT MANAGEMENT SYSTEM B
2	5	WAIT FOR REGISTRATION	DOCUMENT MANAGEMENT SYSTEM C
3	6	COUPLING	DOCUMENT MANAGEMENT SYSTEM A
:	:	:	:

FIG. 5A

SCAN ID	DATA
1	(DOCUMENT DATA)
2	:
3	:
4	:
5	:
:	:

FIG. 5B



ITEM	VALUE 1	VALUE 2
DOCUMENT PROCESS	DIVIDE	
DOCUMENT PROCESS UNIT	1 DOCUMENT FOR 1 SHEET	
EXCESS DOCUMENT PROCESS	DELETE	
REGISTER PROCESS	NO DIVISION- REGISTER	DOCUMENT MANAGEMENT SYSTEM A
REGISTRATION DESTINATION 1 :CONDITION		
REGISTRATION DESTINATION 2 :CONDITION		
REGISTRATION DESTINATION 3 :CONDITION		

FIG. 7

ITEM	VALUE 1	VALUE 2
DOCUMENT PROCESS	COUPLING	
DOCUMENT PROCESS UNIT	1 DOCUMENT FOR 4 PAGES	
EXCESS DOCUMENT PROCESS	INQUIRE	
REGISTER PROCESS	NOT COUPLING- REGISTER	DOCUMENT MANAGEMENT SYSTEM A
REGISTRATION DESTINATION 1 :CONDITION		
REGISTRATION DESTINATION 2 :CONDITION		
REGISTRATION DESTINATION 3 :CONDITION		

FIG. 8

DIVISION/COUPLING METHOD DESIGNATION

☐ REGISTER ALL PAGES AS ONE DOCUMENT

☐ REGISTER ONE PAGE AS ONE DOCUMENT

☐ DIVISION/COUPLING REGISTER ONE PAGE AS ONE DOCUMENT

☒ DIVISION/COUPLING-REGISTER PAGES AS ONE DOCUMENT

☐ DIVISION/COUPLING-REGISTER PAGE(S) AS ONE DOCUMENT

EXCESS PAGE: ☒ REGISTER AS ONE DOCUMENT

☐ DELETE

☐ INQUIRE OF USER

FIG. 9A

REGISTRATION DESTINATION DESIGNATION

☐ REGISTER TO SINGLE SYSTEM

REGISTRATION

DESTINATION

☒ DIVISION-REGISTER TO PLURAL SYSTEMS

CONDITION 1 IS

REGISTRATION

DESTINATION

CONDITION 2 IS

REGISTRATION

DESTINATION

FIG. 9B

EXCESS PAGE PROCESS DESIGNATION

SCANNED DOCUMENT IS BEING DIVIDED IN
UNITS OF 4 PAGES. SCANNED DOCUMENT
CONSISTS OF 10 PAGES, AND 2 EXCESS PAGES
REMAIN. HOW SHOULD THEY BE PROCESSED?

- ☐ DELETE EXCESS PAGE
- ☐ REGISTER EXCESS PAGE AS ONE DOCUMENT
- ☐ COUPLE EXCESS PAGE TO NEXT SCAN DOCUMENT

OK

CANCEL

FIG.10